

NEXT MEETING WILL BE 1/26/04 IN conFESSional AT 9:30 A.M.

Attendees: Bill Foster, Fernanda Garcia, Chuck Federowicz, Tom Lackowski, Rich Stanek, Dixon Bogert, Duane Plant, Ed Crumpley, Rod Walton, Elaine McCluskey

Items discussed:

1. Civil talk: at weekly PD meetings next week will be by Dixon. **3:00 p.m. in One West.**
2. Determining what existing equipment is in the MR/AP tunnels at the proposed crossing: Dixon and Duane will go underground in a future shutdown time to take some photos. Chuck will provide a station for each tunnel that can be used for reference in the tunnels – may need to talk to survey. Length each direction would be about 50 ft. It was felt that cables and other utilities would be retained in the tunnel during the construction while the structure around them is removed. Supplementary support would be provided. Others to be consulted about equipment that might stay or be temporarily removed are Jay Theilacker and Dave Augustine.
3. Chuck presented Lake Logo reconstruction plan and estimate. Chuck will scan and send to Bill. Plan would probably require 2-3 acres of wetland mitigation. Rod explained why this was a difficult project environmentally, including
 - a. Prehistoric site > 10000 years old. Archaeologists very keen on it.
 - b. Wetland permit problematic because can't show that the project is required.
 - c. Complicates NEPA process.
4. Construction schedule preliminary:
 - a. Only for shutdown work at MI tie-in and to go under beamlines
 - b. Discussed saving of time if double shifted. Agreed to could save probably 40-50%.
 - c. Bill asked about possibility of keeping MI/AP intact and going underneath. Saves on removal time. Will develop alternate schedule for this. Need some preliminary design efforts to understand what would be required.
 - d. MI connection should be shrunk to 6 months by looking at possibly not tearing out quite so much. Again, some preliminary design is necessary to understand structural requirements better.
 - e. Bill asked to have overall construction schedule put together.
5. Burying klystron gallery: Discussed whether temperature fluctuations is driving force to bury building? If HVAC can be controlled as reliably as in MI buildings, then this shouldn't be a problem. Concerned about water coming inside. Chuck will look at floodplain maps to see where this area falls.
6. Building architecture and roofs: Bill asked about what architectural style the gallery might be. Ed described architectural process at the lab. Duane was concerned about flat roofs. Concluded that roofs can be sloped to avoid leaking seen in MI connections and MR buildings. Ed asked how concerned we should be about aesthetics now. Bill was concerned that costs won't be impacted by such decisions. Also to be included in design are sustainable design issues, such as lighting into spaces, HVAC choices.
7. Demoing existing beamlines: Bill asked the following:
 - a. Is there money outside a project that can be used to demo existing beamlines and reuse enclosures on transfer line? Answer: probably not, since it appears that pot of DOE funds is going away. Elaine will check with FESS/IMG.
 - b. Could this be done anyway on lab or project funds? All agree this is the right thing to do to clean up old beamlines. May be question of whether enclosures are strong enough for 26 ft shielding to be reused. Requires further structural checking.
8. Ramp for installation access:
 - a. Installation of components may take longer if no ramp
 - b. Discussed length of ramp at depth of this tunnel. Ramp will be about 500 ft long.
 - c. Could be either at beginning of linac or at beginning of transfer line (latter perhaps more useful). Chuck to draw up for group consideration.
 - d. Bill thought a crane and hatch moving to middle of facility might be more useful and less costly. Must do trade off study of time saved by ramp and cost of it.

ITEMS FOR NEXT WEEK:

Floodplain map review – Chuck/Rod.

Check on structural strength of existing enclosures in fixed target areas. Elaine will check with Randy Orgiesen about pot of DOE money for this.

Ramp drawing to be sketched up.

NEXT MEETING WILL BE 1/26/05 IN conFESSional AT 9:30 A.M.